

ABSTRACT OF THE INVENTION

A ringback detector determines whether ringback by comparing measurements of a characteristic of the received signal, such as the energy of the received signal, to a threshold. The threshold is set initially to a low value and then updated based on the measurements of received signal. The measurements are then compared to the threshold to determine whether ringback is present. An output signal indicative of ringback is generated when ringback is present.

| Variable | Mean | SD | Min | Max |
|---------------------------------|-------------|------------|-----|-----|
| Age | 38.5 | 12.5 | 25 | 65 |
| Gender | Male | Female | | |
| Marital status | Married | Single | | |
| Education | High school | College | | |
| Occupation | Manager | Worker | | |
| Income | \$20,000 | \$30,000 | | |
| Health status | Good | Fair | | |
| Exercise frequency | Weekly | Monthly | | |
| Stress level | Low | High | | |
| Sleep quality | Good | Poor | | |
| Dietary habits | Healthy | Unhealthy | | |
| Alcohol consumption | None | Occasional | | |
| Tobacco use | Non-smoker | Smoker | | |
| Family size | 2 | 3 | | |
| Work hours | 40 | 50 | | |
| Commuting time | 30 | 45 | | |
| Home ownership | Owner | Renter | | |
| Neighborhood safety | Safe | Unsafe | | |
| Access to green spaces | Yes | No | | |
| Proximity to schools | Close | Far | | |
| Public transportation | Good | Poor | | |
| Crime rate | Low | High | | |
| Weather conditions | Good | Poor | | |
| Local amenities | Yes | No | | |
| Community involvement | High | Low | | |
| Local government responsiveness | Good | Poor | | |
| Local business diversity | High | Low | | |
| Local culture and heritage | Rich | Poor | | |
| Local infrastructure | Good | Poor | | |
| Local healthcare access | Good | Poor | | |
| Local education quality | Good | Poor | | |
| Local environmental quality | Good | Poor | | |
| Local social cohesion | High | Low | | |
| Local economic stability | Good | Poor | | |
| Local political participation | High | Low | | |
| Local cultural diversity | High | Low | | |
| Local historical significance | High | Low | | |
| Local architectural quality | Good | Poor | | |
| Local public services | Good | Poor | | |
| Local safety and security | Good | Poor | | |
| Local quality of life | Good | Poor | | |
| Local community spirit | High | Low | | |
| Local social capital | High | Low | | |
| Local civic engagement | High | Low | | |
| Local political participation | High | Low | | |
| Local cultural diversity | High | Low | | |
| Local historical significance | High | Low | | |
| Local architectural quality | Good | Poor | | |
| Local public services | Good | Poor | | |
| Local safety and security | Good | Poor | | |
| Local quality of life | Good | Poor | | |
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| Local social capital | High | Low | | |
| Local civic engagement | High | Low | | |
| Local political participation | High | Low | | |
| Local cultural diversity | High | Low | | |
| Local historical significance | High | Low | | |
| Local architectural quality | Good | Poor | | |
| Local public services | Good | Poor | | |
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| Local cultural diversity | High | Low | | |
| Local historical significance | High | Low | | |
| Local architectural quality | Good | Poor | | |
| Local public services | Good | Poor | | |
| Local safety and security | Good | Poor | | |
| Local quality of life | | | | |